

*ABSTRACT AMENDMENTS*

Replace the Abstract with:

~~The A distance measuring device comprises includes a light-emitting means emitter, a light-receiving means, clamping means detector, a clamp that outputs long-range side signal or clamp signal, calculation means a calculator that calculates the ratio between the short-range side signal and the signal output from the clamping means to output clamp and outputs a ratio signal, a light meter measuring means of the luminance of outside light, a threshold setting means setter that sets up an infinity determination threshold value such that the a lower luminance of the outside light corresponds to the longer range side as a threshold value; conversion means a converter that, when the output ratio signal is the signal corresponding to the short range side and is shorter than the infinity determination threshold value, converts the output ratio signal into a distance signal, and, if not short range side, converts the same output ratio signal into a predetermined distance signal having a fixed value.~~